## INTERNATIONAL SEARCH REPORT

Interponal Application No PCT/IB2004/051798

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01J61/12 H01J61/70

According to international Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  $IPC\ 7\ H01J$ 

Electronic data base consulted cluring the international search (name of data base and, where practical, search terms used)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS	CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
x	EP 0 762 476 A (MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD)	1,2,6,7,
A	12 March 1997 (1997-03-12) page 7, line 13 - line 27	3-5, 8-10,12
x	US 4 710 679 A (BUDINGER ET AL) 1 December 1987 (1987-12-01)	1,2,6, 8-11
A	column 3, line 1 - line 11 column 3, line 43 - line 51 column 4, line 16 - line 20 figures 1.2	2-5,7,12
x	US 3 521 111 A (MICHIHIRO TSUCHIHASHI ET AL) 21 July 1970 (1970-07-21) column 2, line 44 - column 3, line 8	1,2,6,8, 9,11
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X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
*Special categories of clied documents:  *A document defining the general state of the art which is not considered to be of particular relovance.  *E* carrier document but published on or after the international filing date.  *L* document which near throw doubts on priority, claim(s) or clied to the clied of another citation or other special reasons (as specified).  *O* document referring to an oral disclosure, use, exhibition or other means.  *P* document published prior to the international filing date but tater than the priority date claimed.	*T' later document published after the International filing date or priority date and not in conflict with the application but provide the provide of the provide or theory underlying the invention.  *X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive slep when the document is taken alone.  *Y' document of provided to the provided or the provided of the provided of the provided or the provided or the document is combined with one or more other such documents, such combination being dovided to the provide and the provided in the art.  *A' document member of the same patent family
Date of the actual completion of the international search  3 March 2005	Date of mailing of the international search report  14/03/2005
Name and mailing address of the ISA  European Patient Office, P.B. 5818 Patientiaan 2 NL – 2280 HV Rilswilk	Authorized officer
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Zuccatti, S

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